INDEX.

THE NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS.

Abruzzi, Duke of, Ascent of Mt. St. Elias, 661.
Aerial Navigation, Recent Progress in, CHARLES H. COCHRANE, 616.
Agricultural, Experiment Stations, 102; Soils, 667.
Agriculture, 101, 328; Department of, 332; Appropriations for the, 556.
Aitken's Road Making and Maintenance, 438.
Alcohol, Utilization of, in the Human Body, 554.
American, Astronomical Instruments, 331; Hall of Fame, 108.
Anthropological Department of the British Association, Address before the, T. H. HUXLEY, 267.
Appropriations for the Department of Agriculture, 556.
Aquarium, The New York, CHARLES L. BRISTOL, 405.
Artificial Propagation of Fish, 335.
Asphaltum for a Modern Street, S. F. PECKHAM, 225.
ATKINSON, EDWARD, Distribution of Taxes, 54.
Atkinson's Edible and Poisonous Mushrooms, 440.
Atomic Weights, Standard for, 110.
Atwater's Experiments on the Nutritive Value of Alcohol, 554.
Autonous, Story of, WILLIAM HENRY HUDSON, 276.
AVEBURY, LORD, Huxley's Life and Work, 337.

Bacteria, and Fermentation, 445; and Dairy Products, 559.
Bacterial Life, Effect of Physical Agents on, ALLAN MACFADYEN, 238.
Bailey's, Cyclopedia of American Horticulture, 327; Botany, 661.
BAILEY, SOLON I., The Planet Eros, 641.
Battleship Building, Rapid, WALDON FAWCETT, 28.
Bibliographies of Engineering, 439.
Botany, 327, 661.
BRADLEY, W. P., Submarine Navigation, 156.
BRISTOL, CHARLES L., The New York Aquarium, 405.
British Association for the Advancement of Science, Address of the President, SIR WILLIAM TURNER, 34.
Burckhalter on the Photography of Solar Eclipses, 214.

CAMPBELL, W. W., James Edward Keeler, 85.
Carpenter on South America, 662.
Carus's History of the Devil, 440.
Celli on Malaria, 660.
Century of the Study of Meteorites, OLIVER C. FARRINGTON, 429.
Chapters on the Stars, SIMON NEWCOMB, 3, 130, 307, 413, 449.
Cheese-making, Microbes in, H. W. CONN, 148.
Chicago, University of, What it Stands for, EUGENE PARSONS, 652.
China, WILLIAM BARCLAY PARSONS, 69; Scientific Knowledge regarding, 107; Crisis in, 662.
China's Open Door, Wildman's, 662.
Chinese Commerce, WILLIAM BARCLAY PARSONS, 193.
Christian Science, J. EDWARD SMITH, 434; JOSEPH JASTROW, 550.
Christmas Island, 98.
Cities, Growth of, 221.
COCHRANE, CHARLES H., Recent Progress in Aerial Navigation, 616.
Comparative Physiology, Loeb's, 328.
CONN, H. W., Microbes in Cheese-making, 148.
CRAWLEY, EDWIN S., Geometry: Ancient and Modern, 257.
Cuban Teachers, Height and Weight of, DUDLEY ALLEN SARGENT, 480.
Cyclopedia of American Horticulture, Bailey's, 327.

Dairy Products, Bacteria and, 559.
Davidson's History of Education, 218.
Dephlogisticated Air, JOSEPH PRIESTLEY, 115.
Development of Unfertilized Eggs, 443.
Devil, History of the, Carus's, 440.
DEXTER, EDWIN G., Suicide and the Weather, 604.
Distances, Science of, GEORGE S. ROBERTSON, 526.
Distribution of Taxes, EDWARD ATKINSON, 54.

Eastman's Manual of Paleontology, 98.
Eclipses, Photography of Solar, 214.

Economic Life of France, EDWARD D. JONES, 287.
Education, 218, 329; Two Contemporary Problems in, PAUL H. HANUS, 585.
Eggs, Development of Unfertilized, 443.
Electrical Charges of Atoms, 106.
Elements, Inert, 446, 558.
ELLIS, HAVELOCK, Study of British Genius, 372, 540, 595.
EMORY, FREDERIC, The Foreign Trade of the United States, 625.
Energy and Work of the Human Body, EDWARD B. ROSA, 208.
Engineering, 438.
Engler's Die Naturlichen Pflanzenfamilien, 661.
Eros, The Planet, SOLON I. BAILEY, 641.
Evermann and Jordan on the Fishes of North and Middle America, 100.
Existence of Air in the Acid of Nitre. ANTOINE-LAURENT LAVOISIER, 123.
Explosive, High, Throwing from Powder Guns, HUDSON MAXIM, 493.

FAIRBANKS, HAROLD W., Pyramid Lake, Nevada, 505.
Famines and Sun Spots, 335.
FARRINGTON, OLIVER C., A Century of the Study of Meteorites, 429.
FAWCETT, WALDON, Rapid Battleship Building, 28.
Ferments, Inorganic, 220.
Fish, Artificial Propagation of, 335; Commission, 334.
Fishes of North and Middle America, Jordan and Evermann, 100.
Fleury's, Medicine and the Mind, 216.
Flies and Typhoid Fever, L. O. HOWARD, 249.
Flournoy's Des Indes à la Planète Mars, 217.
Flow of Rocks, 445.
Folk-lore, 440.
Foreign, Plants, Introduction of, 332; Trade of the United States, FREDERIC EMORY, 625.
Forest Reservations, 222.
Forestry, 327; Yale School of, 221; and Irrigation, 332.
Foundations of Knowledge, Ormond's, 552.
France, Economic Life of, EDWARD D. JONES, 287.
Freedom and 'Free-will,' GEORGE STUART FULLERTON, 183.
Frizell's Water Power, 440.
FULLERTON, GEORGE STUART, Freedom and 'Free-will,' 183.

GARRISON, GEORGE P., Scientific and Literary Historians, 92.
Genius, A Study of British, HAVELOCK ELLIS, 372, 540, 595; Men of, Origin of, C. W. SUPER, 657.
Geologist Awheel, WILLIAM H. HOBBS, 515.
Geometry: Ancient and Modern, EDWIN S. CRAWLEY, 257.
Government, Science and the, 556.
Green's Vegetable Physiology, 327.
Growth of Cities, 221.

Habits, Formation of, in the Turtle, ROBERT MEARNS YERKES, 519.
HANUS, PAUL H., Two Contemporary Problems in Education, 585.
Hastie on Kant's Cosmogony, 659.
Height and Weight of the Cuban Teachers, DUDLEY ALLEN SARGENT, 480.
Historians, Scientific and Literary, GEORGE P. GARRISON, 92.
History, Rescue Work in, DAVID STARR JORDAN, 81.
HOBBS, WILLIAM H., The Geologist Awheel, 515.
HOWARD, L. O., Flies and Typhoid Fever, 249.
HUXLEY, T. H., Address before the Anthropological Department of the British Association, 267.
Huxley's Life and Work, LORD AVEBURY, 337.
Hypnotism in Mental and Moral Culture, Quackenbos's, 214.

Index to Literature of Animal Industry, Thompson's, 328.
Inert Elements, 446, 558.
Ingersoll's Nature's Calendar, 99.
Inoculation of Soils, 220.
Inorganic Ferments, 220.
Inventor of the Sewing Machine, VINDICATOR, 551.
Irrigation, Use of Water in, 101; and Drainage, King on, 439; Forestry and, 332.

JASTROW, JOSEPH, Christian Science, 550.
Jastrow's Fact and Fable in Psychology, 328.
Johnston and Mead on the Use of Water in Irrigation, 101.
JONES, EDWARD D., Economic Life of France, 287.
JORDAN, DAVID STARR, Rescue Work in History, 81.
Jordan and Evermann's Fishes of North and Middle America, 100.

Kant and the Nebular Hypothesis, 659.
Keeler, James Edward, W. W. CAMPBELL, 85; Portrait of, 2.
King on Irrigation and Drainage, 439.
Knowledge and Belief, 659.

LAVOISIER, ANTOINE-LAURENT, Existence of Air in the Acid of Nitre, 123; Nature of Acids, 127.
Lavoisier, 219; Monument (frontispiece), 114.

Leeuwenhoek, Malpighi, Swammerdam, WILLIAM A. LOCY, 561.
Lippincott's, Storage of Water on Gila River, Arizona, 439.
Loeb's Comparative Physiology of the Brain and Comparative Psychology, 328.

MacCunn's 'Making of Character,' 329.
MACFADYEN, ALLEN, Effect of Physical Agents on Bacterial Life, 238.
Malaria, GEORGE M. STERNBERG, 360; In Italy, Celli's, 660.
Malpighi, Swammerdam and Leeuwenhoek, WILLIAM A. LOCY, 561.
MAXIM, HUDSON, Throwing a High Explosive from Powder Guns, 493.
Mead and Johnston's Use of Water in Irrigation, 101.
Medicine and the Mind, Fleury's, 216.
Meteorites, A Century of the Study of, OLIVER C. FARRINGTON, 429.
Microbes in Cheese-making, H. W. CONN, 148.
Milk of Tuberculous Cows, 559.
Mosquitoes, and Malaria, 109; Yellow Fever and, 219.
Municipal, Government Now and a Hundred Years Ago, CLINTON ROGERS WOODRUFF, 60; Water-works Laboratories, GEORGE C. WHIPPLE, 172.
Museum, National, 557.
Mushrooms, Edible and Poisonous, Atkinson's, 440.
Mycology, 440.

National, Museum, 557; Physical Laboratory of Great Britain, 558; Bureau of Standards, 330, 665.
Nature's Calendar, Ingersoll's, 99.
Naval Observatory of the United States, 442, 557, 666.
Navigation, Submarine, W. P. BRADLEY, 156.
Nebular Hypothesis, 106; Kant and the, 659.
NEWCOMB, SIMON, Chapters on the Stars, 3, 130, 307, 413, 449.
Newspaper Science, 447.
New York Aquarium, CHARLES L. BRISTOL, 405.
Nobel Prizes, 107.

Observatory, Naval, 442, 557, 666.
Obscurity in Scientific Publications, AN EDITOR, 324.
Ormond's Foundations of Knowledge, 552.
Ornithology, 100.

PACKARD, ALPHEUS S., Prehistoric Tombs of Eastern Algeria, 397.
Paleontology, 98.
PARSONS, W. BARCLAY, China, 69; Chinese Commerce, 193.
PARSONS, WILLIAM BARCLAY, China, 69; Chinese Commerce, 193.
Pearson's Grammar of Science, C. S. PEIRCE, 296.
PECKHAM, S. F., Asphaltum for a Modern Street, 225.
PEIRCE, C. S., Pearson's Grammar of Science, 296.
Perseus, A New Star in, 666.
Philippines Two Hundred Years Ago, E. E. SLOSSON, 393.
Philosophy, 103.
Physical Agents, Effect on Bacterial Life, ALLAN MACFADYEN, 238.
Photography of Solar Eclipses, 214.
Population of the United States during the Next Ten Centuries, H. S. PRITCHETT, 49; CHAS. E. WOODRUFF, 656.
Prehistoric Tombs of Eastern Algeria, ALPHEUS S. PACKARD, 397.
PRIESTLEY, JOSEPH, on Dephlogisticated Air, 115.
PRITCHETT, H. S., Population of the United States during the Next Ten Centuries, 49.
Prodigies, 223.
Psychical Institute, The Proposed, 109.
Psychological Congress, The International, 108.
Psychology, 214; Fact and Fable in, Jastrow's, 328.
Pyramid Lake, Nevada, HAROLD W. FAIRBANKS, 505.

Quackenbos's Hypnotism in Mental and Moral Culture, 214.

Random Remarks of a Lady Scientist, REBECCA SHARPE, 548.
Rapid Battleship Building, WALDON FAWCETT, 28.
Rate of Express Trains, 111.
Rescue Work in History, DAVID STARR JORDAN, 81.
Retardation of Science, AN EDITOR, 95.
Road Making and Maintenance, Aitken's, 438.
ROBERTSON, GEORGE S., Science of Distances, 526.
Rocks, Flow of, 445.
ROSA, EDWARD B., Energy and Work of the Human Body, 208.
Royal Engineering College, 664.

SARGENT, DUDLEY ALLEN, Height and Weight of the Cuban Teachers, 480; Schiaparelli, 111.
Science, and the Government, 556, 666; in the Nineteenth Century and in the Reign of Queen Victoria, 555; of Distances, GEORGE S. ROBERTSON, 526; Retardation of, AN EDITOR, 95.
Scientific, and Literary Historians, GEORGE P. GARRISON, 92; Items, 112, 224, 336, 447, 560, 668; Societies, 443.
Scruggs on the Colombian and Venezuelan Republics, 662.

Sewing Machine, Inventor of, VINDICATOR, 551.
SHARPE, REBECCA, Random Remarks of a Lady Scientist, 548.
Shooting Stars, 553.
SLOSSON, E. E., The Philippines Two Hundred Years Ago, 393.
SMITH, J. EDWARD, Defense of Christian Science, 434.
Societies, Scientific, 443.
Soils, Inoculation of, 220.
St. Elias, Ascent of Mt., 661.
Standard for Atomic Weights, 110.
Standardizing Bureau, 330, 665.
Stanford University, 663.
Star, New, in Perseus, 667.
Stars, Chapters on the, SIMON NEWCOMB, 3, 130, 307, 413, 449.
Stirling's What is Thought?, 103.
STERNBERG, GEORGE M., Malaria, 360.
Storage of Water on Gila River, Arizona, Lippincott's, 439.
Story of Autonous, WILLIAM HENRY HUDSON, 276.
Suicide and the Weather, EDWIN G. DEXTER, 604.
SUPER, C. W., Origin of Men of Genius, 657.
Swammerdam, Malpighi and Leeuwenhoek, WILLIAM A. LOCY, 561.

THURSTON, R. H., Law of Substance, 467.
Tillson on Street Pavements and Paving Materials, 438.
Tobacco, Sumatra, Growth of, 446.
Tombs of Eastern Algeria, Prehistoric, ALPHEUS S. PACKARD, 397.
Topographic Surveying, Wilson on, 438.
Trade, Foreign, of the United States, FREDERIC EMORY, 625.
Trains, Rate of, 111.
Travel and Exploration, 661.
Tuberculous Cows, Milk of, 559.
TURNER, WILLIAM, Address of the President before the British Association for the Advancement of Science, 34.
Turner's Knowledge and Belief, 659.
Turtle, Formation of Habits in, ROBERT MEARNS YERKES, 519.
Typhoid Fever, Flies and, L. O. HOWARD, 249.

Universities, Association of, 664.
Utilization of Food and Alcohol in the Human Body, 554.

Viereck, on Latin in the German Gymnasium, 218.
VINDICATOR, The Inventor of the Sewing Machine, 551.
von Zittel's Manual of Paleontology, Eastman's, 98.

Water, Use of, in Irrigation, Mead and Johnston's, 101; Power, Frizell on, 440.
WATTS, HARVEY MAITLAND, The Weather vs. the Newspapers, 381.
Weather, vs. the Newspapers, HARVEY MAITLAND WATTS, 381; Suicide and the, EDWIN G. DEXTER, 604.
WHIPPLE, GEORGE C., Municipal Water-works Laboratories, 172.
Wilcox on the Rockies of Canada, 662.
Wildman on the Crisis in China, 662.
Wilson's Topographic Surveying, 438.
WOODRUFF, CHAS. E., The Population of the United States during the Next Ten Centuries, 656.
WOODRUFF, CLINTON ROGERS, Municipal Government Now and a Hundred Years Ago, 60.

Yale Forestry School, 221.
Yellow Fever and Mosquitoes, 219.
YERKES, ROBERT MEARNS, Formation of Habits in the Turtle, 519.

Zittel, von, Manual of Paleontology, 98.
Zoology, 99.

GENERAL LIBRARY,
UNIV. OF MICH.
MAR 29 1901